

RESPECTFULLY SUBMITTED TO THE FACULTY

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FOR

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BY

Fasles St. Chamberlin, Lynden, 4t, Philadelphia, Flebruary 3" 1863

Diphtheria This diseasewas first described, and called Diph therite by M. Britonneau of Jours in 1826. It has been known as an epidemie disease for the last three centuries, although not recognized by this term, The times that have bun used at different periods to designat the disease are Madein Egyptiaeuns Morbus Nuffreams, Farrotillo, Augina Suffreativa, Jula Morbus, Épidenieus Strungulatorius, Alleus Syriacus, Tutrid Son Throat, Sore Throat Distroper, Breado, Membranous Thurgagitis, Black Jonque, and Diphtheria of the wintenth

century, According to writers, this disuse prevailed in Hollandin/337, and 1557, also some parts of Thrance in 15-36; Andulusia and other parts of Spin in 15 90 and 1581. At prevailed in Sicily, Hialy und Their in the sixteenth, and seventureth centuries, It visited Ongland, Linner, Holland, Sweden Fermany and North America about the middle of the last century, and almost if not entirely disafficied until the first quarter of the present century. For the last few years it has prevailed epidemich in Freat Brittain and nearly all fants of the united States. Miters have devided The disease into severalemites

Dr Madden of England in the Buttish found of Homoespathy makes finedivision Dr. Duke of Pittspury, classifies his cases into six varieties. I think, as far as my observation your that there are three destruct typis of the affection, viz In Simple, Croupous and Malignane In the simple form there are but few prodromie symptom, sometimes none atall, but is usually preceded by a slight mulaise for a few days before The Throat becomes sore; Sometimes drow - sines, and chilliness accusiona Ing eventoshivering, followed by febric reaction. Sometimes frains in the limbs,

and head; and less frequently naused and vomiting. More commonly The earliest complaint is of slight styfus of the neck, sources and a pricking sensation in The faces. On examination the glands at the angles of the lower jour are always found to be slightly swollen and tender to the touch Internally, one or bothe lousils are found to be swollen, and usually reddened and inflamed, but may be enlarged without being reddered to any great extent. The redness rose coloces in young children and of crimson or deep claset colour

in older children, and adults; the hur almost always varying with the inten - sity of the disease. The arches of The palate, the velum, willa, and sometimes the posterior wall of the plany participate more or less in the inflam - matory action. Together with these symptoms, we have fever of a synochal type. Offine hot and dry, pulse somewhat weellerated full hard and bounding; loss of appetet bowels constituted, usine

disease progresses without any dephle - ritie exudation; but usually the peculiar exudation may be delicted within twenty-fores hours after the commencement of The disease. The men bane most prequely makes its appearance on the tonsils. Sometimes it is in very small patches not larger there a pens head, which merean in size, and finally couleses, forming one larg patch covering the whole tonsil The membrane increases in circumserme and in thickness, centil the disease has seached its acme, when it is thrown of ether in sheds, or, small palohes; or

else it comes would entire . The simple type usually reaches its acuse in from four to eight days, In some casesthe membrane may be throwings about The fourth day, and the patient become con -valescent, while in other cases the guda - tion extends sulo the phaseux, and fostion nares, and may extend into the month, even reaching The incisor bethe covering the whole roof of the mouth. Thith the above symptoms The patient is seldom contales cent under eight orten days. Some writers have described Diphtheria ashaving nearly the same symptoms a ommon catarsh with the exception of the exudation

I consider what they call Diphthuria to be nothing more or less than dight thinks sove. Throat; which almost always prevails when Diphtheria is epidemic. When Dipl -Theria is epidemie other diseases suchoas erysipelas, scarlatina, suberla de, may have This peculiar exudation, what can be more reasonable than to expect common catarish should take on the diplotherite? Mysicions, who have had the good wear to ceese all cases of Diphtheria, and have lowdly proclaimed world, in all probability have been fortunate enough no

In a genuine case of Dighthuria of the simple Type at the commencement there is fiver of a synochal type, which changes into the adynamie, sin from 10, lo 48 hours, The synptoms that charactings This change are great prostrution of the whole system; accelerated, weak, Thready, and intermittent pulse: laboured respiration, the surface of the body becomes cool and the skin feels claming to the touch. Stools of a deasshow'e character, naused and comiting, spistax is Se se. If her the disease is about to take a gaveral turn, we have a refreshing stumber, a copious diapone -esis, a diminution of the swelling of the glands an assest of the membranous deposit, and its

gradual disappearence, a showerfulse and returning appetite, and then th The Prouhous Type In the croupous type we have musty the same symptoms as in the simple form at the commencement of the disease, together with others of a more alaming character, which show that the largery is invaded, The crowhour variety generally superomes those cases, which at the commensument assumed a mild type usually that of follientes angina, or, in other cuses invading the anterior, and posterior nares, and upper portion of the pharyny ix hibiting attacted only the symptoms of or dinary culcurch In other cases the disease locales etrefs

in the larger at the very outset, and may not make its appearance upon the any glale, or any part of the fauces during the whole course of the complaint. Whin the largery is invaded the symptoms in act - dition to the simple type are, Short difficult and house respiration, accompanied by a shill harsh, ruttling, or metalic sound; the cough is also of the sume character. Forsetimes this type is ushered in with the common symptoms of croup, and may be mistation for that disease, although there is usually swelling of the lonsels and faces beside other symptoms of a constitutional chasacter, which do not accompany croup,

The breathing in Diphtherica is peculiur particular during sleep, and when once heard will never be forgotten although it is very hard to describe. It consists in a short moin sound, which at times may be heard at a great distance, The eyes protecte, and seem as though they would bust from their sockets while they he come very brilliant, The face assumes ableish, waxey appearance The voice becomes impaired; Sometimes there is complete uphonia. Inall cases of this type the voice is more or less impaired, and in nearly all There is complete loss of voice for a langer or shorter period. In a large mumber of cases it is utterly supos the

for them to make a lowel noise for ten or twelvedays, such cases seldom regain their voise, weeks, and sometimes months, In this form of the disease, when it is abour to turn favorably. The membrane is thrown off when respiration becomes more natural, the skin gradually turns to its normal colour, and there is a gradual return to health. On the other hand, if the disease to to tumulate empavorably, all the symptoms increase in severity, The breathing becomes more and more laboured, The patient garpe for breath, thrusts his hunds into his mouth and grashs at the mick or clothing to endeavor to gain mos

the blueness of the skine increases, and the horid whastliness of countanance until death sinally closes the same. In the crowhous, death (or convalescence) generally ensues within 12 hour safter the invasion of the laryon The Malignant Dyfie In the malignant type of Diphthinice these are searcely any prodromie sympton The disease is usually ushused on by source almost unendurable pain in the head, back, timbs, stomach and bowels account panied by vomiting and purging of foeled, bloody and deproved sien -tions, excessive prostration and utter

inability to retain anything whom the stomach. He may have all these symptoms before the appearance of the diphtheritie exudation, Though The peculiar Joelor of the disease is as apparent as at any subsequent time. The factor of Dipotheria is preceliar to this deseasealone and the physician who is acquainted with the disease cannot fail to forme correct diagnosis at the very onset. by this sign alone In many cases he is inabled to deagnose the disease on entering the sick room, and frequent Very often the foctor

character, that the fatient himself complains; and it is unendurable by the physician and attendants so much so, that the stomach often relieves itself of its contents, abnost instantaneously, regardless of position, or circumstances. Tometimes Thereisenomous swelling of the glands of the throat togetherwith the adjacent tissue; at other times little ormone. They are frequently swollen to such an extent as to render it unposseble for the paternt to get the mouth ofen far enough for the physician to examine it.

The longue also, is frequently somlarged as to entirely fill the mouth, and in some instances cannot be retained within the mouth. In cases of this kind, we frequently have a rash, which risingles the rash of Scarlatina. Epistoxis is not of unfrequent occurrence, and in the last stages is of a persistent character seeming thereby to hasten the fatal issue. With the above symptoms wash leather dehosit, who extent or amount of the exudation does not depend whom the severely of the disease,

nor does the severity, or fatality, defend whom the exudation in all cases In many cases that prove fatal the somest there is but little swelling, or exudation. In the malignant form we have fever of a tophoid type at the very commencement; the pulse is weak, thready, intermettent, and very much accelerated, not impiguntly it is as high as 160 beats permute The position prostsation occurs at thevery onset in nearly all cases, and sometimes it is so great asto render the patient as hours. In some cases of this type the

disease tocates itself in theanterior, and posterior naves, and makes it seem as though the head was one mass of correlation. Opere is a constant discharge from the mouth and nose of a very offensive character. I unumber some cases, in which the discharge amounted to a quast in twenty four hours, and continued for about ten days or until the swelling had nearly all disappeared, and the patient become convalescent; in others the discharge would suddenly cease about The gifth day, and thereby appeared hasten the galal temination Innum cases where there was enomines swelling

of the throat, and a large quality of false membrane; The swelling suddenty sus - sided; the mem from was all thrown off, and deglutition became nearly normal The patient and all who were not conversant with this insidious form of the affection Thought him to be fast all danger, suddenly sunk to death without a sigh or a grown, overwhelmed by the consti--tutional poiser. Marty all writers apon Diphthisia tell is that death is caused by the imperfect accation I the blood, I think proportholandin The opinion of others) as for as my observe that death seldomitakes

place by asphyxia: having sunswered hundred cases of the very worst form of the disease, many in which il proved Satal, I never saw fut one die from Suffication. Had I time and Thace I could relate numerous me to prove my assertionis, but, as I must be brief, Dwill leave this part of The subject, and proceed to investigate the causes of the diseas The cases of Diphtheria may be considered as predisposing and Among the predisposing causes, may be named errorsme

diet, over exertion of body ormind, dampness, poor ventilation, improper attention to cleanliness, exposure, and a scrofulous diathesis & e & e. The excelling cause probably in most cases is owing to an epidemic influ -ence, Marly all writers upon the subject, call it both an epidenie and endemie disease, MoBulonman thought it to be contagious, or that that the disease could not spreadonly by innoculation, What the disease can be produced by innoculation there is not a particle of doubt in my mind, notwith danding the

Spinion of others. Quite a number of cases have occured under my own ofse. -valion, that go to prove this assistion. One was in a physician who had a small wound upon his hand and white examining a patient's throat some of the equidation was thrown off and come in contact with the wound; the result was inflammation of the hand and arm extending to the shoulder which immed ately produced constitutional sympton of a sevese character. He was obliged to give up all business for some time and came very near lossing his hand, and also his life

This happened to an allow path while cauteriaing the fauces, and on the whole I think served him right Another similar case cameun -der my notice; amondwhileworking some clothes that had been used about his children through this sickness in this disease; produced a small blister on one finger, which probably absorbed some of the poisen, and immediated sesulted in inflammation, and the geneine diphtheritie exudation he muntome formed, and was post the cese of his hand for

some two or three months and came near toosing his life, hung things might be brought to notice to prove the disease contagnous and of its being conveyed by formetis. Although the disease does not seem to be governed by fixed laws of incubation, together with the immunity of a second attack generally secured by disease's consider contagious, get I believe the disease infectious; and to a greater or less extent contagious leagnosis. Wherea may be confounded with several diseases by the inexperences

practitioner. In most common of these are, croup; Scorbatina and gangemous thurspills. In any one of these we do not have the precedicing factor, nor the presure of the false membane, which charactures Diphtheria. The rush in Diphtheriu does not occur until about the secondwell and is not constant, nor does it come off in patches like Scaslalina. As far as I have observed, we have rash in about one tenth of mases in Sigh-- Theria while in Seas atina we always have rash. Wathology On account of the mall number of post mostin examinations, the pathon

of Diphthein is not fully established, but in nearly all cases that have been examined after death was found more of less influmnation of The tonsils, facces, pharyng, laryng anterior and posterior nases, with The pseudo membranous deposit. This is found in the heast, bronehier, brain and in all the mucous surfaces of the body; the chief points of deposit however, ase found to be, first the tousils, then the mucous membrand is it is reflected upon the ejuglottis from the base of the longue, the palate, exclum, pharyly &c.

membrane from white, grey, to ash or dark blush The composition of the Munbrane. I have but little to say whom This point as it is a morted question. Some writers consider it to be entirely albuminous while others Think it is fibinous and a third class believe it tobe of a parasitie origin, I think how ever from numerous experiments ful have been made that is is albuminous. This is verified by its coaquilation on the application

of heat; also, by the albuminous precipitate when treated with nitie aciel le In the prognosis of the disease no direct sules can be laid down On some localities nearly all recover while in others it is just the severse, In the simple form the prognosis is favorable, but in The esoupaus, and maligneed type it is very unfavorable, The simple farm may run into the crowlow which will rendo it unfavira. In the malignant type death may

occur in a very few hours, but does not use ally under a welk or tendays. There are some that may always be regarded as undavorable, Among these are The invasion of the larger and trached. Exceeding high pulse. coldness, and blumess of the extremely and surfaces. Opistaxis, and darks appearance of the facus; extensive discharges from the nostrils; comiting and diesshoea at anadounced stage of the complaint: hassage of membrane from weltions, petichia, rigors, &c

There are certain conditions attending the most imfavorable cases, which after considerable of perion cewill enable The attendant to give a very correct prognosis in the case, even at the commencement, and furthermore well allow the Thypician as he sems community to judge pretty correctly who, and what temperaments are most surely to be offered the fell destroyer, As I have said befor death may occur in the putriety ex & tendays, or ofter in from severity of the disease has opposin the patient may hinger for

weeks and months and at last succomb by reason of nervous expanstion, Dequelar. The sequelar of this disease many benamed legion", for they are many, Umong The most common of these use rash, shewmatism. spistavis, stranguary, conghis, glandula abscisses, otosshorea, ozoena, erysipela Strapesmus, impaired vision, dropsey a peculiar nasal twang of voice, affection of the spinal marrow, paralysis, etc se, Toshaps the most peculiar, and most frequently recurring seguelae is the great prostration of the nervous system.

suctability of a evillence of the and of a thousand "sure cuses" or "her fie for shoumatism, and notwithstandin This disorder is still one of the most intractable of any that exist The hands of scientific, and wer physicians. This is pricisely the neese with Dikhthinia ustiales have been thoust whom the hubble profession from as specifies for This disease,

get no true specific has bein found nor do I believe there ever will. In the trution of this disease we must first consider the origin or seet of the disease, Manyalloupth and some homorafaths be live this to be a local complaint, and afcourse treat the disease accordingly, Thelieve the disease to be constitutioned If it is not, you can we account for The constitutional disturbance before There is any local difficulty; In many cuses The total complaint class not make its appearance until the patient is past all cure, there is such

a change in the blood as to under it almost destitute of vitality, A have seen some cuses whereat The very commencement, the blood would not coaquelate in the least; and for this season it must be can clusive exidence that it had lost one of its most importantinged - ents; the fibrin. This fact alone, I'm my mind, seems to prove that the mintrane cunnot be composed of Lebrin, and furthermore shows the origin or seal of the disease to be in the blood, consequently the freatment should be constitutional

I think the experience of all scintifly physicians in the treatment of this disease will coencide with these views, Hearly all, both allowhotts and homoen fath, who have had but little experience in the treatment of the disease, desect their whole treatment intirely to the lacal affection This accounts for the great mortality when the disease first makes its offer. - and in any locality. As They become better acquainted with the complaint, this mode of treatment generally falls into disrepute. For garas curative agencies and concumed

topical applications are of no value; The cause remaining unabated the procluetion of the falsemembran will continue; additional inflamma - tory action will certainly supervent and The patent's sufferings will be increased, while the nervous ysten will be seriously affected by the excito - ment produced by the operations. There may be instances, however when sufforcation from the presure of the exudation within the fauces summent and gain time for the action of surtimal medicines, that topical

applications man be recommended Many articles have been recomm -ded by the profession, from time to time, as the very best for This purpose. These are theminia of iron, and glycerine, sulph, acid umonia, sulphate of copper or zink. mitrate of silver, by dro-- chloric acid. Spirits of terpentine, tennin, voeline, tar actue, racino a Kali chla, se be. I have sum some of these used, and on the whole think the muriate ofiron the very best, In applying this eve should have a currels hair

brush, which should be thorough saturated with the timeture and applied to the membrane immediately the featunt coughs and in most instances the men - brane is thrown off. This is merely a pulliative, and not have any curative office " Overything that whatever could be thought of by wise old laglies has be used as on external application to the throat but the very less that ever has been used is water, cold or warm, if to allay pain,

use it warm, but if to subdue local congestion's and inflan-- mations and the condition of The patient would allow it; use it cold. In some cases much benefit may be derived from the use of allewholic stimewhis, together with a generous diet; while in other cases, it only seems to increase the falients sufferings. The internal remedies, that have proved most benificial in this disease are The different preparations of Mereury, Caprein, Cafsieum, Dantharis, Hali bie,

Grotal, tig. Hefar, sul. Phos. Bry. Lachis, Offongiel . Jaster com. Spieae, Antinomen Some of the acids we be - Jonne of Thise have been considered specifies; for instance, one says he has found Bry and, to use all cases; unother Toachesis, Bell, and Intimorningent. and others. Browning, and Muneumors sede. Set as feir as myobsesualin goes, I do not pelieve that any one resulty will cure every case of Dippherice or any other disease Thysicians, who have cured all cases of this disease with the high attenuations by giving one dose

and allowing it to act twenty four hours, before any change wa made, probably have not had The worst forms of the disease to treat; if this were the case they would notbeunder the necessity of making but one prescription, because, in all, human probability, their Juliant would be a fil subget for the andertakes before twenty- fours wouldelofse The remedies that as serviceable in the first stage of the complaint, are, Acon

Bell, Capsicum, Toali, chlor. Mere, be j'od. In the latter stage. Bell. Morre, Lijad, Mitrie, ac. Mus, ac. Sulph ac. Stibium, Rhu tox, Thos. fismiena. China Carbo, veg. etc. In The csoupous variety Acouste, Hepar, sul, Podine Kali, bicho and Sponged tast Mari sum fact coses of The croupous type, which were entirely d Spongia; indeed I never a case of this type

Bell. Capsicum, Hali, chlor. Mere, be j'od. In the latter stage. Bell. Morre, Lejad, Mitrie, ac. Mour, ac. Sulph. ac. Stibium, Rho tox, Thos. fismiena. China Carbo, veg. etc. In the csoupous variety Acouste, Hepur, sul, Podine Stali, bechow and Sponged, last, I have se fact coses of the croupous type which were entirely controlled by Acomite Hefar, I Spongia; indeed I never a case of this type

that proved fortal, although have seen where the mimbrane Somed in the largery trachea, and brouching tubes, and was thrown of in a complete mould of the whole air passages; Therefore I think nearly all cases of this type may recover if they have proper treatment. There is one direct will if lived cepton That will cure allows this is to preseribe at

all times and under all circumstances according to the great and only law of cure Gimilia Gimilia Ourantur I believe every disease that ever was, or wer can be cured must be in accordance with this law and I believe the day will surely come, when all physicians will treat diseases according to homoeofathic principles They swift around yearhuls of time, and bring the welcome day"